

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1.(Currently Amended) A system for providing a screen saver for a display panel in a mobile electronic device comprising:

memory for storing a screen saver image;

display controlling apparatus configured to retrieve said screen saver image from said memory and to transmit said screen saver image to said display panel during a screen saver mode; and

screen saver controlling apparatus for sensing activity by a CPU interface, for switching operation of said display panel from an operating mode to the screen saver mode after a predetermined time period of inactivity by the CPU interface, and for controlling primary colours of said display panel; ~~using at least one RGB timer to balance life of said primary colours of said display panel;~~

the screen saver controlling apparatus including:

a set of RGB timers for controlling said primary colours of said display panel to balance life of said primary colours; and

a set of digital to analog converters (DAC);

wherein each of said set of RGB timers is connected, in operable communication, to a DAC corresponding to one of said primary colours to enable and disable said primary colour on said display panel.

2.(Previously Amended) The system of Claim 1 wherein said display controlling apparatus comprises:

a display controller;

a segment driver; and

a common driver.

Claims 3 to 5 (Cancelled)

6.(Currently Amended) The system of Claim 1 ~~3~~ wherein said screen saver controlling apparatus further comprises:

a move icon timer configured to count down a move icon time; and
a command generator for generating a new display location for said screen saver image after said move icon time has elapsed.

7.(Original) The system of Claim 6 wherein said screen saver image comprises at least one of time data, system status data or number of un-read email data.

8.(Currently Amended) A method of providing a screen saver for a display panel in a mobile electronic device comprising ~~the steps of~~:

sensing a time period of inactivity;
transmitting a signal to a display controller indicating said sensing of said time period of inactivity;
retrieving a screen saver image from memory;
determining a display location of said screen saver image on said display panel;
displaying said screen saver image on said display panel at said display location;
monitoring use of display panel primary colours; and
disabling said primary colours using at least one timer and a digital to analog converter (DAC), connected in operable communication, associated with at least one primary colour such that said primary colours are preserved.

9.(Currently Amended) The method of Claim 8 further comprising ~~the steps of~~:

sensing a move icon time out;
generating a new display location for said screen saver image;
transmitting said new display location to said display controller; and
displaying said screen saver image at said new display location.